

Considered: _____

WATER PERMIT NO. 1968-2

MAP No. same

Name of Applicant Black Hills Health & Education Center

Post Office Address P.O. Box 1, Hermosa SD 57744

Amount of Water Claimed .04 cfs Total Acres NA

Source of Water Supply groundwater

Water to be used for institutional use County Custer

About 4 miles W of Hermosa.

PROOF OF PUBLICATION: Received 8/11/86 Not Received _____

APPLICATION: Approved Sept 3, 1986 Subject to _____

F.F.& C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received May 2, 1986 Fee \$50.00 Remarks _____

5/2/86

Corrected Application Received June 1, 1986 Period of Annual Use Jan 1 - Dec 31

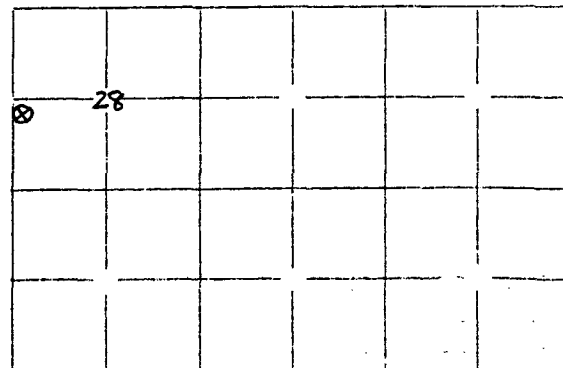
WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point well: NW 1/4 SW 1/4 of sec 28-

T2S-R7E

Land to be Irrigated NA



Well Log: Driller Howe Well Drilling Licensed YES ☒ NO _____

Depth of Well 230 Ft REMARKS _____

Type of Map Topo PREPARED BY Ron Duvall Reviewed and the Number

assigned on June 12, 1986 By Ron Duvall

No. 1968-2 Hydrologic Unit 10120109
 Map No. same Basin Upper Cheyenne
 Newspaper Custer County Chronicle, Box 551 (Wed)

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use of water: Industrial ☐ Commercial ☐ Municipal ☐ Other Common Distribution System ☐
 Rural Water System ☐ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☒ Recreational ☐
 Domestic ☐ (above 18gpm) Other ☐

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐☐ Amend Permit No. _____ with old priority date retainedChange diversion point(s) ☐ Add diversion point(s) ☐ Other ☐☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____☐ Construction to use water reserved by Future Use Permit No. _____1. Name of Applicant BLACK HILLS HEALTH & ED Center Phone No. 255-4101Post Office Address P.O. Box 1 Hermosa State SD 57744
(Street, RR or Box) Zip Code2. Amount of water claimed (c.f.s) 18 gal per min 0.04 cfs3. Source of water supply Well4. Location of point of diversion NW 1/4, SW 1/4 Sec 28 T2S R7ECounty Custer5. Counties where water will be used Custer6. Annual period during which water is to be used Year around Jan 1 thru Dec 31

7. Give a brief description of proposed project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Water supply for small communityAttachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map
(see instruction)STATE OF SOUTH DAKOTA)
County of _____)I, Black Hills Health & Education Center the applicant, certify that I have read the foregoing application, have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.Signed X Cody TachankaSubscribed and sworn to before me this 29 day of April 19 86

Notary Public (or other qualified officer)

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1968-2
Black Hills Health and Education Center P.O. Box 1, Hermosa
(Applicant) (Post Office Address)
SD 57744 With the following qualifications.
(State) (Zip Code)

The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

Date of first receipt of application May 2, 1986.
 Date of return to applicant for correction, amendments or changes required May 26 1986.
 Date of receipt of corrected application June 1 1986. Approved September 3 1986.

The Water Management Board hereby approves this Water Permit No. 1968-2 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is May 2 1986.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before _____, 19____.
3. The whole of said work is ~~to be completed on or before~~ _____, 19____.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is _____, 19____.
5. The water appropriated shall be used for the purpose of institutional use by the Center
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed .04 cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served and to which water is actually and beneficially applied for institutional use on or before _____, 19____; said water to be used during the following described annual period: Jan 1 - Dec 31

WATER MANAGEMENT BOARD
 By: John H. Hatch
Chief Engineer
 Division of Water Rights
 Dept. of Water and Natural Resources

NOV 14 1986, 19____

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 6 inch Depth 230 ft.
- b) Casing Type PVC Diameter 5" Thickness 3/8"
- c) Screen Type _____ Diameter _____ Thickness _____
- d) Gravel Pack Thickness _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material 150
- f) Depth of Water (ground surface to water level) 150
- g) Distance to nearest existing domestic well:
On applicants property 700 ft On property owned by others 1/2 mile

2. Dugout Information Estimates

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam please give their name and address

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Outlet Dimensions:
Pipe diameter _____

Spillway width _____

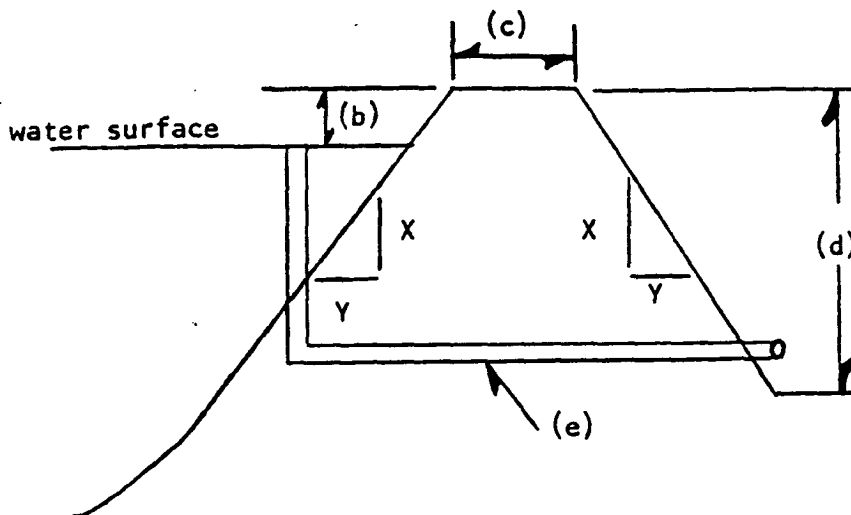
f) X & Y Slope
Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

410468

Pierre, May 2, 19 86

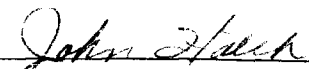
RECEIVED OF Black Hills Health & Education Center, Box 1, Hermosa, SD 57744

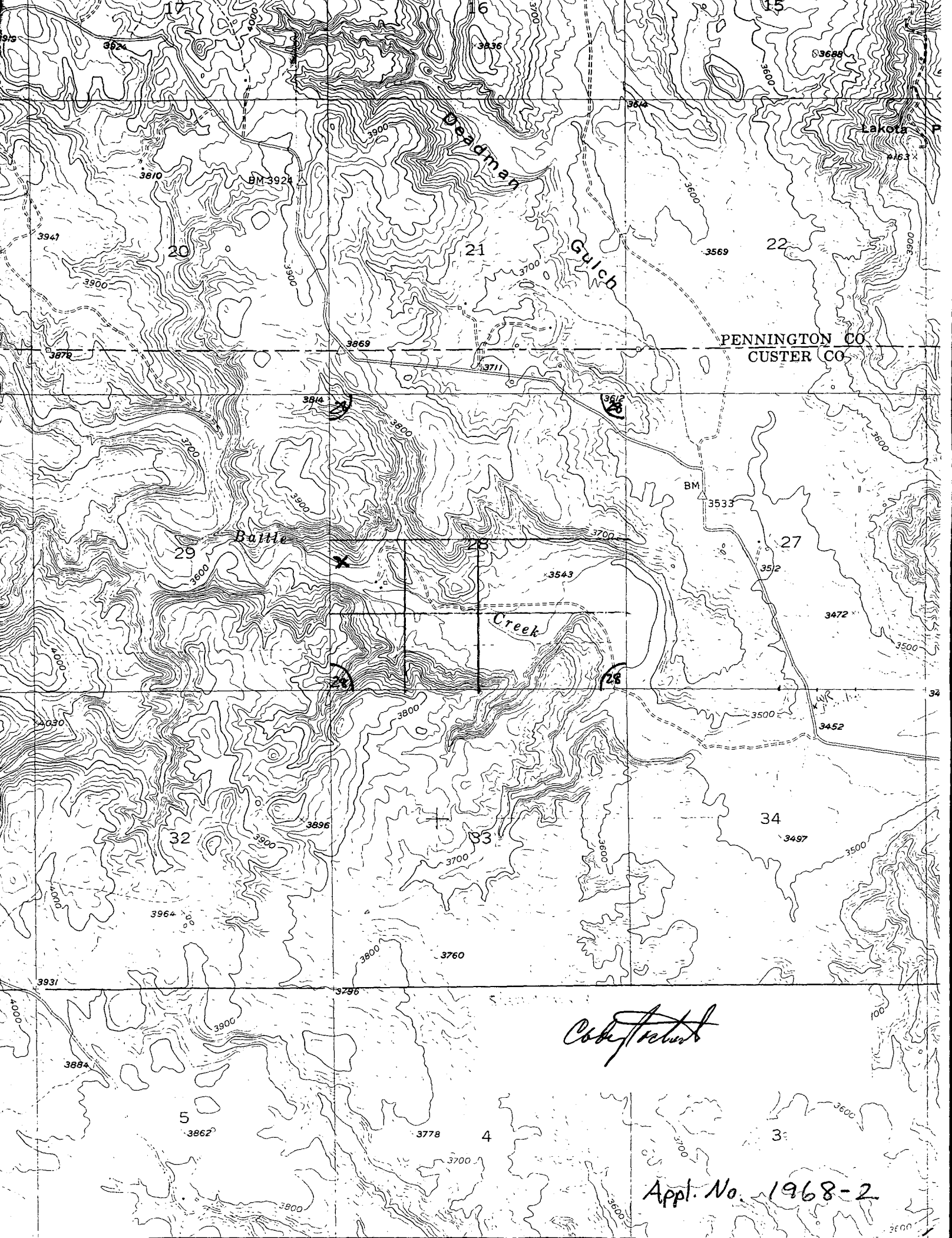
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>1968-2</u> to Appropriate Water, to construct works and to put water to beneficial use _____	50	00
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By

Chief Engineer

JOHN HATCH 



PENNINGTON CO
CUSTER CO

Cody Street

Appl. No. 1968-2



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

October 29, 1985

Black Hills Health & Education Center
Keystone Rt
Hermosa, SD 57744

Dear Sir:

A well drillers report filed with this office by Howe Well Drilling indicates you have recently completed a new well. The well driller is required by South Dakota Compiled Laws (SDCL 46-6-11) to file a well construction report within 30 days of completion. The purpose of this letter is to provide general information and to inform you, the well owner, of the responsibilities you have incurred.

1. If your new well was drilled as a replacement well and if you do not plan to use the old well, the old well is considered abandoned and must be plugged pursuant to SDCL 46-6-27. Other abandoned wells must also be plugged.
2. If the old well is not to be abandoned, or will be used, the well must still be sealed or capped at the surface pursuant to SDCL 46-6-27.

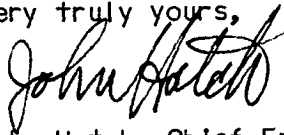
General Information. The following is being provided to all new well owners for information purposes and may not apply to you.

1. If a well will be allowed to flow or will be pumped more than 18 gallons per minute (gpm) or if a person intends to use more than 18 gpm or more than 26,000 gallons per day (average of 18 gpm) for domestic use, a water permit is required pursuant to SDCL 46-1-6(4) and (6), 46-1-15, 46-5-8 and Water Management Board Rules 74:02:01:01(1) and 74:02:01:03. A pump larger than 18 gpm may be used as long as the total daily domestic use does not exceed 26,000 gallons per day (gpd). Water for geothermal heating and/or cooling for a home is domestic use, and may be used without a water permit, if the use is no more than 18 gpm.
2. State laws require all flowing wells to be controlled to prevent waste. No matter what the flow of the well, the well must be controlled to produce only the amount of water needed. This is a continuing responsibility of the well owner pursuant to SDCL 46-6-10, 46-6-14 and 46-6-21.
3. Any common distribution system such as a city, town, subdivision or rural water system that pumps or diverts more than 18 gpm is required by SDCL 46-5-8.2 to have a water permit.

4. A water permit is required pursuant to SDCL 46-1-15 to use water for commercial business operations, industrial purposes, mining or irrigation of more than 1/2 acre.

Please feel free to contact us if you have questions, need information or water permit application forms.

Very truly yours,

A handwritten signature in cursive script, appearing to read "John Hatch".

John Hatch, Chief Engineer
Water Rights Division
Phone: (605) 773-3352

cc: Well Driller

S514.wr



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

January 23, 1986

Cody Tachenko
Black Hills Health & Education Center
Keystone Route
Hermosa, SD 57744

Dear Mr. Tachenko:

October 29, 1985 we sent you a letter which outlined South Dakota State laws as they apply to well owner responsibilities and water permit requirements. In reviewing the drillers log that was submitted for your well, it appeared that you may need a water permit. Please send us the details of your water use system such as: installed pump capacity, number of users and type of users. With this information we can determine if you need a water permit. Please respond to this request by February 14, 1986.

If we can answer any questions, please contact us.

Very truly yours,

A handwritten signature in cursive script, reading "John Hatch".

John Hatch, Chief Engineer
Water Rights Division
(605) 773-3352

S521.wr

POSTMASTER: Complete Items 1, 2, 3 and 4

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☒ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

Cody Tachemko
Black Hills Health & Ed. Center
Hesperia, CA
Hermosa, 57114

4. Type of Service:

- ☒ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail

Article Number

P404 786 614

Always obtain signature of addressee on receipt.

DATE DELIVERED.

5. Signature - Addressee

Cody Tachemko

6. Signature - Agent

x Oscar Tachemko

7. Date of Delivery

1-27-88

8. Addressee's Address (ONLY if requested and fee paid)





Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

This will notify you that the Water Management Board cancelled
your Water _____.

This action was taken under the conditions outlined in our
letter to you dated _____.

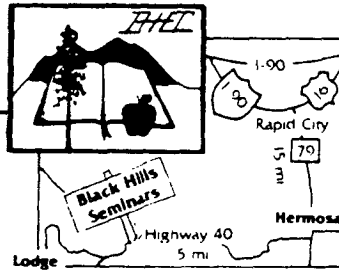
Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

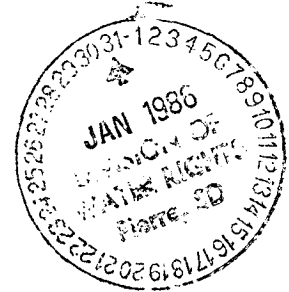
JH:

Black Hills

Box 1 Hermosa, South Dakota 57744
(605) 255-4101 or 255-4687



Health
&
Education
Center



Dear John,

We had two wells dug last fall,
one well is for a single dwelling, the well
is 240 ft deep, 1 1/2 hp pump, the well produces
only 5 gal/min.

Well number two is for a small dormitory,
in this well we have a 1 hp pump and the
well produces only 18 gal/min, pump set
at 200 ft.

I hope this answers your questions

Sincerely
Cody Tachibana

P.S. Contact Willard Wirth if you
have further questions, as I will be out
for some time.

Conversation or File Documentation

NAME OF PERSON OR FILE: Willard WerthADDRESS: Hermosa

COUNTY _____

DATE: _____

TELEPHONE 255-4101

RE: _____

COMMENTS:

Mr. Werth was unaware of what permits he currently holds when I asked if his BHHEC classrooms and lodge were ^{included} ~~permitted~~ along with the dormitory perm.t. Told me that the classrooms were going to be converted into a duplex for a private dwelling. The lodge has its own well. Sent a letter to him saying he can include both the classrooms and lodge on one permit. It will be up to him if he wants to include the classrooms on the application as it could be converted into domestic use in the near future

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Began Fanning

Water Rights Division
605 773-3352

February 19, 1986

Willard Werth
Black Hills Health & Education Center
Box 1
Hermosa SD 57744

Dear Mr. Werth:

With the information provided in a letter by Mr. Cody Tachenko I have made the following determinations relative to the groundwater wells at the center.

The well used for the single dwelling is considered to be domestic use and does not require a water permit. The well used for the small dormitory is not domestic use and does require a water permit.

I have enclosed the necessary forms and instruction sheet for your use in applying for a water permit. The fee for the application for the well as described in the letter is \$50.00. This is the minimum fee for a water permit for 45 gallons per minute or less.

If you any questions or if you need assistance with the application or map, please contact us.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH:DB:ks

enclosures



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

WATER RIGHTS DIVISION
(605) 773-3352

May 26, 1986



Cody Tachenko
Black Hills Health & Education Center
Keystone Route
Hermosa, South Dakota 57744

Dear Mr. Tachenko:

This letter is in response to your permit application received on May 2, 1986. The following information is needed before the application can be processed.

1. Form 2A needs to be signed.
2. The location of the well needs to be marked on the enclosed map. The map also needs to be signed.

Please contact us if you have any questions.

Sincerely,

Ron Duvall
ms

Ron Duvall
Natural Resources Engineer

RD:ms
Enc.



Hope this is helpful
Cody T.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

July 14, 1986

NOTE:

TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT THE
NEWSPAPER RIGHT AWAY.

Black Hills Health & Education Center
P.O. Box 1
Hermosa, South Dakota 57730

Dear Sir:

Your Application No. 1968-2 for a permit to appropriate water for

institutional use, has been examined and found to
comply with the South Dakota Water Laws and applicable rules. A notice of
your intent to appropriate water has been sent to the Publisher of the

Custer County Chronicle printed at Custer

South Dakota. For your information, a copy of this notice, the recommendation
of the Chief Engineer and a report on the application are enclosed. Please
review this notice prior to publication and notify this office, if you have
any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your notice
of intent to appropriate water and to arrange for payment. Early contact with
the paper can eliminate delays. The publisher has been instructed to publish
your notice once each week for two consecutive weeks with the last publication
to occur at least thirty days before the board meeting. We must receive
Proof of Publication before the application can be considered by the Water
Management Board.

Sincerely,

RON DUVALL
Natural Resources Engineer

enclosures



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

July 14, 1986

Custer County Chronicle
Box 551
Custer, South Dakota 57730

Dear Sir:

Enclosed is a Notice of Intent to Appropriate Water by Black Hills Health & Education Center
Application No. 1968-2, in Custer County, South Dakota. Please
publish this notice once each week for two consecutive weeks in your paper. The
first publication should be on, or before July 23, 1986.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you
make the first publication. The applicant is to pay the cost of publication and
should make the necessary arrangements with you to pay these costs.

A copy of BOTH publications must be sent to the Water Rights Division. IMMEDIATELY
after the FIRST publication, return a copy of the notice with the FIRST Publication
Transmittal form on the bottom of this page. The first copy is needed to check
the publication for errors so any corrections can be made before the second
notice is published.

Please be sure the SECOND publication is returned with the enclosed Proof of
Publication form. The permit application cannot be considered by the Water
Management Board until proof of publication has been recieved.

Thank you for your assistance.

Sincerely,

RON DUVALL
Natural Resources Engineer

cc: applicant

***** CUT HERE *****

FIRST
Publication
Transmittal

No. _____

Date _____

TO: Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

We are in receipt of your letter dated _____ and Notice of Hearing to
Appropriate Water by Application No. _____. The notice was first published
in our issue dated _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

NAME _____ NEWSPAPER _____

Equal Opportunity Employer

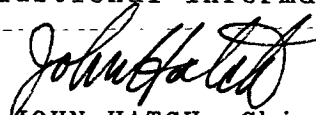
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1968-2, Black Hills Health and Education Center

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 1968-2, Black Hills Health and Education Center, PO Box 1, Hermosa SD.

The Chief Engineer is recommending APPROVAL of Application No. 1968-2 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this Permit shall control his withdrawals so there is not a reduction of needed water supplied in adequate domestic wells or in adequate wells having prior water rights.

See the attached report for additional information.



JOHN HATCH, Chief Engineer
July 11, 1986

REPORT ON APPLICATION NO 1968-2
BLACK HILLS HEALTH AND EDUCATION CENTER
June 27, 1986

This application proposes to appropriate 0.04 cfs from one well 230 feet deep located in the NW 1/4 SW 1/4 of Section 28, T2S, R7E BHM. The water is for institutional use by the Center.

Aquifer - Minnelusa Formation

Geology and Aquifer Characteristics

The Minnelusa Formation is a assemblage of mostly sandstone, limestone, dolomite and some shale (Rahn, 1979). The amount of recoverable water in Custer County from the Minnelusa has been estimated at 25.9 million acre-feet (Allen, etal, 1984). This location is near the recharge area for the Minnelusa. The alluvium from Battle Creek which is a live stream in this area directly overlies the Minnelusa Formation. The aquifer is under water table conditions.

The Division of Water Rights presently is monitoring one observation well CU-83A located approximately 2 1/2 miles east of this location. Water levels in this well have shown very little fluctuation.

Review of Existing Water Permits

There is an existing Water Permit No. 1738-2 for 0.85 cfs to irrigate 60 acres approximately 1/2 east of this application. The owner of the irrigation well is the same as the owner for this application. Interference is possible, however, diversion rates are small and significant drawdowns under water table conditions should not occur.

Conclusions

1. Water is available from the Minnelusa Formation.
2. Interference is possible, however, the diversion requested by this application is small and will not affect the existing prior irrigation right.
3. The drillers log indicates the completed well is 215 feet deep not the 230 feet indicated on the application.
4. The well was completed before the new well construction rules went into effect. The well as completed was not grouted to meet the requirements of the new rules.


JAMES A GOODMAN
Hydrologist

Bibliography

Allen, J.C., D.L. Iles, A.K. Petres, 1984, Draft Final Ground Resources Inventory, Analysis of Ground Water and Streamflow Data Western Dakotas Region of South Dakota, for US Army Corps of Engineers, DWNR, SDGS, Vermillion 57069.

Rahn, P.H., 1979, Ground Water Resources for Western SD, For US Army Corps of Engineers, SDSM & T Project No. 2533, Rapid City SD 57701.

Instruction to Newspaper - Publish first publication of the following Notice on or before July 23, 1986 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 1968-2 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No.~~

Notice is hereby given that the Black Hills Health & Education Center whose mailing address is
P.O. Box 1, Hermosa, South Dakota has made an application for a permit

to appropriate .04 cubic feet of water per second from one well. (Minnelusa Formation)
230 feet deep located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 28-T2S-R7E. The water is for institutional
use by the Center.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends
APPROVAL of Application No. 1968-2 because 1) unappropriated water is available,
2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and
4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe
Foss Building, 523 E. Capitol, Pierre, South Dakota, September 3 19 86 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by August 22, 1986. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2 46-5-30.4, 46-5-31; ~~(ground)~~ 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; ~~(future use)~~ 46-5-38 thru 46-5-40; ~~(transfer lands)~~ 46-5-30.4, 46-5-33 thru 46-5-35; ~~(10,000 AFA)~~ 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; ~~(future use)~~ 74:02:01:24 thru 74:02:01:25; ~~(10,000 AFA)~~ 74:02:01:15:02 thru 74:02:01:15:05.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by August 22, 1986.

No. 1968-2

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Custer) ss.

I, Randall O'Neill hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Custer County Chronicle

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

City _____ of Custer

County of Custer and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

July 23, 1986

July 30, 1986


(Signature)

Publisher
(Title)

July 31, 1986
(Date Signed)



Cost of Printing: _____

7/23/86 - 23.37

7/30/86 - 18.70

Total 7/30/86 - 42.07

Notice of Hearing

Notice of Hearing on Application No. 1968-2 to Appropriate Water Notice is hereby given that the Black Hills Health & Education Center whose mailing address is P.O. Box 1, Hermosa, South Dakota has made an application for a permit to appropriate .04 cubic feet of water per second from one well (Minnelusa Formation) 230 feet deep located in the NW1/4Sw1/4 of Section 28-T2S-R7E. The water is for institutional use by the Center.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1968-2 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota, September 3, 1986 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualification, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by August 22, 1986. The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner of his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNRR, Joe Foss Bldg, Pierre, SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by August 22, 1986.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

NOV 14 1986

Black Hills Health & Education Center
PO Box 1
Hermosa SD 57744

Dear Sir:

Enclosed is your Water Permit No. 1968-2 as approved by the Water Management Board authorizing the water diversion system and apply the water to beneficial use, not exceeding the limits as specified in the Water Permit.

We will schedule an inspection so that the Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in cursive script that reads "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ks

enclosure

Permits No. 1738-2 & 1968-2
Custer County

To: Chief Engineer, Water Rights Program, DENR Foss Bldg., Pierre, SD 57501

Other permit/license(s) associated with project: **Permit No.1901-2,Williard Werth**

Contact Person & Address: **Paul Pierson & Willard Werth, Black Hills Health & Education Center**

Report Of Examination of Works

On **June 13, 2002** I made an examination of the water use systems at the Black Hills Health and Education Center, Hermosa, Custer County, SD authorized the following appropriations:

Permit No. 1738-2 - 0.85 cubic feet per second (cfs) of water from a **320-foot** deep well in the NW¼ SE¼ Section 28 T2S R7E for **irrigation use**

Permit No. 1968-2 - 0.04 cfs of water from a **230-foot** deep well in the NW¼ SW¼ Section 28 T2S R7E for **institutional use**

Black Hills Health and Education Center was reorganizing at the time of my on-site examination. No one currently on the Center's staff has knowledge of the depths, capacities, or locations of all the wells at the Center. Doing the examination I located five (5) wells, four (4) of which were in use. One well, located behind the main lodge along Battle Creek, is no longer in use due to contamination. Paul Pierson stated that the contaminated well along Battle Creek was there before the lodge was built.

The well log database was checked on return to the office and nine (9) well logs for the Center or Willard Werth were located. ~~Six (6) wells were drilled by Howe Drilling, five (5) in 1983 and one (1) in 1985.~~ The log for the 320-foot well is supposedly the Permit No. 1738-2 water source drilled by Downen Drilling. No date or location are on this well log. Cody Tachenko submitted a log for a well by the Werth house with the application for Permit No. 1901-2. The log for the well drilled by Lewis is for the actual well drilled for Permit No. 1901-2.

I spoke with Mrs. Downen on 6/24/02. Downen Drilling is no longer in business, but Mrs. Downen has retained all the old files and well logs. Mrs. Downen has nothing on file for a 320-foot well drilled for the Center or Willard Werth. Mrs. Downen's records show a 160-foot well drilled in 1980 for the Center. This corresponds to the log for the Willard Werth well submitted by Cody Tachenko in lieu of the actual source well log for Permit No. 1901-2. Permit No. 1901-2 application lists the diversion point as in the SW¼ SW¼ Section 27 whereas the Soil/Water Compatibility Permit Application Form, South Dakota Department of Agriculture, and the log for the actual well drilled lists the diversion point as in the SE¼SE¼ Section 28, all in T2S R7E. Permit No.1901-2 was transferred from Tachenko to Werth in 1998.

I spoke with Charles Howe, Howe Drilling on 6/25/02. Howe drilled six (6) wells for the Center and Center personnel installed the pumps. He doesn't know the capacities of the pumps installed in these wells. Howe stated that he was on the property in the 70s and the well at the main lodge was there then. He believes the wells drilled by Downen are on the Werth property, which was previously part of the Tachenko/Center property. Howe stated there was some shuffling and splitting of property between the original founders of the Center.

A letter in the Permit No. 1968-2 file from Cody Tachenko states that two wells were drilled in the Fall of 1985; a 290-foot well producing 5 gpm for a single dwelling and a 200-foot well producing 18 gpm for a small dormitory. There is only one well log on file for the fall of 1985, the 215-foot well at the Wellness-Fitness Center drilled by Howe.

On August 5, 2002 I met with Willard Werth in Rapid City and went over an Aerial-Photo Map of the Center, the well logs on file, and the wells I had located during the on-site examination. Mr. Werth located three wells on the map for dwellings at the Center. Mr. Werth noted that the Downen 320-foot well log has his father-in-law's name and address (which is lined out and Werth's name and address penciled in) on it, but he doesn't know why. He believes this 320-foot well is located at Dwelling 1. Mr. Werth also believes the 425-foot well is located at Dwelling 2 and the well at the Dormitory is 200-foot deep. He also noted the location of the well on his property for Permit No. 1901-2 in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 27 T2S R7E which doesn't correspond with the location (the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28) noted on the well log and the Soil/Water Compatibility Permit Application Form.

Table 1 contains a summary of the well logs on file and wells located during the on-site examination:

Table 1. Summary of BH Health & Education Center Wells

Map #	Permit # & Holder	Driller & Date	Location	Depth (ft)	gpm	Purpose	Remarks
1	1738-2 BH Health	Downen Unknown	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 28	320	40 @ 200'	IRR	Mrs. Downen has no record of this well drilled for Werth or BH Health. Location is from the application. Werth located well @ Dwelling 1.
2	1968-2 BH Health	Howe 10/13/85	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 28	215	15	INT	Well located by GPS on-site @ Wellness-Fitness Center. Location & depth correspond to Howe well log.
3	1901-2 Werth	Lewis 3/27/85	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 28	70	80 @ 67'	IRR	Well located by Werth in SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 27. Needs to be checked.
4	None	Howe 8/3/83	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 28	167		DOM	Located in same quarter-quarter as #1738-2 and Dwelling 1 by Werth. Purpose and legal location taken from well log.
5	None	Howe 7/6/83	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 28	425		DOM	Purpose and legal location taken from well log. Located @ Dwelling 2 by Werth.
6	None	Howe 7/29/83	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 28	100	120	IRR	Well located by GPS on-site-corresponds to well log. Purpose taken from well log.
7	None	Howe 5/5/83	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec 28	77		DOM	Well located by GPS on-site @ Duplex-corresponds to well log. Purpose taken from well log.
8	None	Howe 5/5/83	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 29	75		DOM	Located @ Dwelling 3 by Werth. Purpose taken from well log.
9	None	Downen Unknown	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec 28 T2S R7E	160	30	DOM	Well log submitted by Tachenko for Application # 1901-2. Well supposed to be by Werth house.
10	None	No Log Unknown	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 28	200			Well located by GPS on-site. In same quarter-quarter as Dwelling 2 425-ft well. 200-foot Depth from Werth.

IRR-Irrigation INT-Institutional DOM-Domestic

Comments:

All the wells in use on the Black Hills Health and Education Center property, to include those wells at the Center's dwellings, need to be permitted for institutional use. Due to varying depths, these wells need to be

permitted by source, i.e., the geologic aquifer the water is withdrawn from. Any wells not in use, such as the one by the main lodge, should be filled and plugged in accordance with state statutes. As far as practical, the Center should determine the location, depth, and diversion rate of each well in use for permitting purposes.

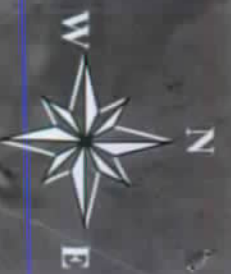
The director of the Black Hills Health and Education Center should be notified of these requirements

The actual location of the Permit # 1901-2 well can be determined during an on-site licensing examination.

A handwritten signature in black ink, appearing to read "Donald E. Stroup". The signature is fluid and cursive, with a large initial "D" and "S".

Donald E. Stroup
Natural Resources Project Engineer
DENR Water Rights Program

T2S R7E



27

28

29

Dwelling 3

Dwelling 2

Dwelling 1
#9, #4 & #1

Main
Lodge

#8

#2

#10

#5

#7

#6

#3

1901-2

Miles



Black Hills Health & Education Center
Nos. 1738-2 & 1968-2

T2S R7E

29

28

Staff
Dwelling

Wellness-Fitness
Center

Lodge

Main
Lodge

Duplex

Irrigation



Donald E. Stroup

Donald E. Stroup
Natural Resources Project Engineer
DENR Water Rights Program

0 0.5 1 Miles

STATEMENT

Downen Drilling Company

Rt. 4 Box 109
Rapid City, South Dakota 57701
Phone 787-4525

Mr. Willard North

Herb Wagner is Worth's
Estimate - Co. - W. Dak.

~~Herb Wagner~~ P.O. Box 1 ~~or the~~

~~Bank, N. Dak. 58550~~ Hermosa, S.D.

Terms: 1% per month after 30 days!

Date

Well Log: West of Hermosa S. Dak.

0-10' rocks & soil

10-50' red sandstone

15-100' red limestone

100-170' red sandstone

170-200' purple limestone

200-210' soft sandstone

210-150' limestone & silt

250-255' broken limestone

255-290' purple shale & limestone

290--320' limestone

Test 40 gal per min at 200'

Water level 90ft. from surface.

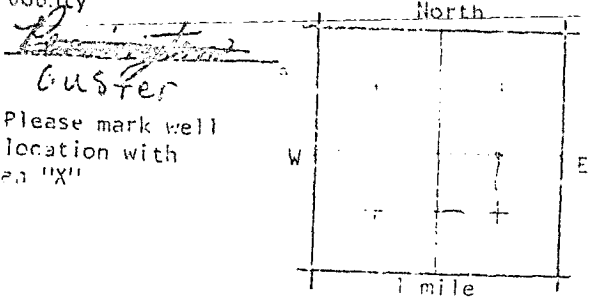
Herb Downen has
checked this well
and found it to be
a good one.

Dwelling 1?

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location NE 1/4 Sec 28 Twp 25 R7 E

County ND SE



Please mark well location with an "X"

Well Completion Date Aug 3, 1983

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forced Rotary

WELL CONSTRUCTION:

Diameter of hole 6 inches Depth 167 feet

Casing: ☐ Steel ☒ Plastic ☐ Other
Specify 60' casing

Pipe Weight Diameter From To
lb/ft inches feet feet
lb/ft inches feet feet

Was a well screen used? ☐ Yes ☒ No

If Not Specify

Screen Type Slot Size
Length Diameter

Was Casing left open end? ☐ Yes ☒ No

Was a Packer or seal used? ☒ Yes ☐ No

If so what material?

Was well gravel packed? ☐ Yes ☒ No

Was well grouted? ☒ Yes ☐ No

Describe grouting procedure Cement

To what depth? 20 Feet

What was grouting material? Cement

If cement, how many sacks? 1

Location of packer(s) and screen or perforated pipe

WAS WELL PLUGGED OR ABANDONED? ☐ Yes ☒ No

If so how and with what material?

Well Owner:

Name Black Hills Education Center

Address Spencer, SD Cody

Well Log:

Formation	From	To
<u>Brown red shale</u>	<u>0</u>	<u>20</u>
<u>red shale some rock</u>	<u>20</u>	<u>30</u>
<u>red shale</u>	<u>30</u>	<u>55</u>
<u>red sandstone</u>	<u>55</u>	<u>60</u>
<u>dark sand</u>	<u>60</u>	<u>65</u>
<u>sandstone</u>	<u>65</u>	<u>80</u>
<u>sandstone</u>	<u>80</u>	<u>100</u>
<u>sandstone</u>	<u>100</u>	<u>115</u>
<u>limestone</u>	<u>115</u>	<u>130</u>
<u>sandstone</u>	<u>130</u>	<u>165</u>
<u>limestone</u>	<u>165</u>	<u>167</u>

STATIC WATER LEVEL Feet

If flowing: closed in pressure PSI

GPM flow through inch pipe

Controlled by ☒ Valve ☐ Reducers ☐ Other

If other: specify

Can well be completely shut off?

WELL TEST DATA:

☐ Pumped

☐ Bailed

☐ Other

Describe:

Pumping Level Below Land Surface

ft. After Hrs. pumped GPM

ft. After Hrs. pumped GPM

ft. After Hrs. pumped GPM

Remarks:

This well was drilled under license # 343

and this report is true and accurate.

Charles Howe

Drilling Firm

Signed by

8/2/83

Date

Mr. Lami

12-14-83

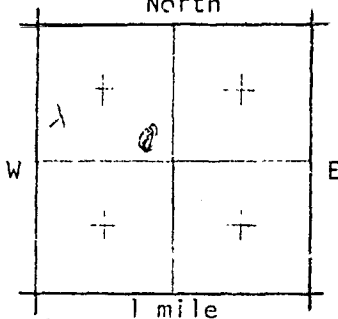
UP 1-27-84. IT IS FURTHER CERTIFIED THAT THE GEOLOGICAL RECORD AND THE RECORDS OF THE NATIONAL BUREAU OF STANDARDS AND METROLOGY HAVE BEEN REVIEWED AND FOUND TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS AND METROLOGY. THE NATIONAL BUREAU OF STANDARDS AND METROLOGY HAS REVIEWED THE RECORDS OF THE NATIONAL BUREAU OF STANDARDS AND METROLOGY AND HAS FOUND THEM TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS AND METROLOGY.

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location W 1/2 Sec 28 Twp 25 Rg 7 E

County

North

CusterPlease mark well
location with
an "X"Well Completion Date Sept. 13, 1985

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

WELL CONSTRUCTION:

Diameter of hole 6 inches Depth 215 feetCasing: ☐ Steel ☒ Plastic ☐ Other
Specify _____
 Pipe Weight Diameter From To
 _____ lb/ft _____ inches _____ feet _____ feet
 _____ lb/ft _____ inches _____ feet _____ feet
Was a well screen used? ☐ Yes ☒ No

If Not Specify _____

Screen Type _____ Slot Size _____

Length _____ Diameter _____

Was Casing left open end? ☐ Yes ☒ NoWas a Packer or seal used? ☒ Yes ☐ NoIf so what material? rubberWas well gravel packed? ☐ Yes ☒ NoWas well grouted? ☒ Yes ☐ NoDescribe grouting procedure 1 bag cementTo what depth? 20 FeetWhat was grouting material? CementIf cement, how many sacks? 1Location of packer(s) and screen or perforated
pipe _____WAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No

If so how and with what material?

Well Owner: DormName Black Hills Health + Education CenterAddress Hermosa, S.D.

Well Log:

Depth

Formation

From

To

~~CLAY~~

0

30

MINNELOSA

30

215

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow 15 through _____ inch pipeControlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut off? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

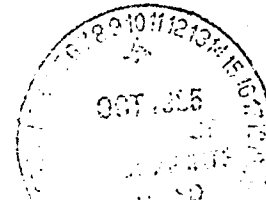
Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

Remarks:

This well was drilled under license # 363

and this report is true and accurate.

Hove Well Drilling
Drilling FirmChurch House
Signed by9/18/85
Date10-29-85

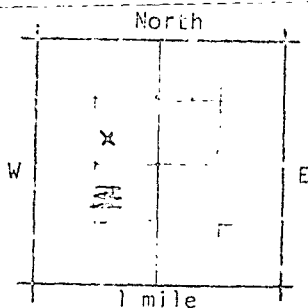
Date 11/83

STATE OF SOUTH DAKOTA WELL DRILLER'S REPORT

Location Sec 29 Twp 25 Rg 7E

County S.E. MW
Cluster

Please mark well location with an "X"



Well Completion Date July 6, 1983

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

WELL CONSTRUCTION:

Diameter of hole 6 inches Depth 425 feet

Casing: ☐ Steel ☒ Plastic ☐ Other
Specify _____

Pipe Weight Diameter From To
_____ lb/ft _____ inches _____ feet _____ feet
_____ lb/ft _____ inches _____ feet _____ feet

Was a well screen used? ☐ Yes ☒ No

If Not Specify _____

Screen Type _____ Slot Size _____
Length _____ Diameter _____

Was Casing left open end? ☐ Yes ☒ No

Was a Packer or seal used? ☒ Yes ☐ No

If so what material? _____

Was well gravel packed? ☐ Yes ☐ No

Was well grouted? ☒ Yes ☐ No

Describe grouting procedure _____

To what depth? 20 Feet

What was grouting material? Cement

If cement, how many sacks? 1

Location of packer(s) and screen or perforated pipe _____

WAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No
If so how and with what material? _____

WIR-836 4/82

Well Owner:

Name Black Hills Education Center

Address Hemlock, S.D. BRWHS

Well Log: _____ Depth _____

Formation	From	To
<u>gravel</u>	<u>0</u>	<u>10</u>
<u>Clay</u>	<u>10</u>	<u>30</u>
<u>red shale</u>	<u>30</u>	<u>300</u>
<u>red sandstone</u>	<u>300</u>	<u>350</u>
<u>limestone + red sandstone</u>	<u>350</u>	<u>425</u>

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut off? _____

WELL TEST DATA:

☐ Pumped

☐ Bailed

☐ Other

Describe: _____

Pumping Level Below Land Surface _____

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

Remarks: _____

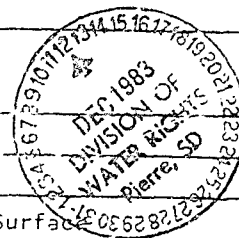
This well was drilled under license # 363
and this report is true and accurate.

Charles Howe
Drilling Firm

Signed by _____

8/21/83
Date

Mr. Sent
12-14-83



Irrigation

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location Sec 24 Twp 25 Rg 7E

County

North

Please mark well location with an "X"

W

E

1 mile

Well Completion Date July 29, 1983

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

WELL CONSTRUCTION:

Diameter of hole 12 inches Depth 100 feet

Casing: ☒ Steel ☐ Plastic ☐ Other

Specify

Pipe Weight Diameter From To
1b/ft 10 inches 6 feet 54 feet

1b/ft inches feet feet

Was a well screen used? ☐ Yes ☒ No

If Not Specify

Screen Type Slot Size

Length Diameter

Was Casing left open end? ☐ Yes ☒ No

Was a Packer or seal used? ☒ Yes ☐ No

If so what material?

Was well gravel packed? ☐ Yes ☐ No

Was well grouted? ☒ Yes ☐ No

Describe grouting procedure

To what depth? 2 Feet

What was grouting material

If cement, how many sacks? 2

Location of packer(s) and screen or perforated pipe

WAS WELL PLUGGED OR ABANDONED ☐ Yes ☐ No

If so how and with what material?

Well Owner:

Name Black Hills Education Center

Address Hermosa, S.D. Irrigation

Well Log:

Depth

Formation

From

To

<u>Gravel</u>	<u>0</u>	<u>65</u>
<u>Gravel</u>	<u>1.5</u>	<u>95</u>
<u>Gravel</u>	<u>90</u>	<u>100</u>

STATIC WATER LEVEL 58 Feet

If flowing, closed in pressure 58 PSI

GPM flow 126 through 12 inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other: specify

Can well be completely shut off?

WELL TEST DATA.

☒ Pumped

☐ Bailed

Describe:

☐ Other

Pumping Level Below Land Surface

58 ft. After 16 Hrs. pumped 126 GPM

54 ft. After 18 Hrs. pumped 267 GPM

ft. After Hrs. pumped GPM

Remarks

15 MIN. 4 Feet D. and Down
Full Recovery

This well was drilled under license # 363

and this report is true and accurate.

Charles Houie
Drilling Firm

Signed by

8/2/83
Date

Mr. Hart
12-14-83

AND ON RECORD IN WHICH THE WELL IS LOCATED. THE BUREAU OF SURVEYS FOR THE STATE OF SOUTH DAKOTA. THE BUREAU OF SURVEYS FOR THE STATE OF SOUTH DAKOTA. THE BUREAU OF SURVEYS FOR THE STATE OF SOUTH DAKOTA.

Daplex

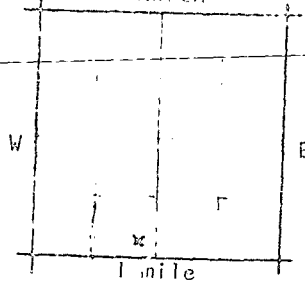
STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location NE 1/4 Sec 28 Twp 23 S Rg 7 E

County

Handwritten

North



Please mark well location with an "X"

Well Completion Date May 5, 1983

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

WELL CONSTRUCTION:

Diameter of hole 6 inches Depth 77 feetCasing: ☐ Steel ☒ Plastic ☐ Other
Specify _____
 Pipe Weight Diameter From To
 _____ lb/ft _____ inches _____ feet _____ feet
 _____ lb/ft _____ inches _____ feet _____ feet
Was a well screen used? ☐ Yes ☒ No

If Not Specify _____

Screen Type _____ Slot Size _____

Length _____ Diameter _____

Was Casing left open end? ☐ Yes ☒ NoWas a Packer or seal used? ☒ Yes ☐ No

If so what material? _____

Was well gravel packed? ☐ Yes ☐ NoWas well grouted? ☒ Yes ☐ No

Describe grouting procedure _____

To what depth? 20 FeetWhat was grouting material? CementIf cement, how many sacks? 1

Location of packer(s) and screen or perforated pipe _____

WAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No

If so how and with what material? _____

Well Owner:

Name Black Hills Education CenterAddress Handwritten BERLIN

Well Log:

Depth

Formation

From

To

Clay dirt gravel 1 10
1 1/2" steel - sand stone 20 97
STATIC WATER LEVEL 40 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut off? _____

WELL TEST DATA:

☐ Pumped☐ Bailed

Describe: _____

☐ Other

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

Remarks: _____

This well was drilled under license # 263

and this report is true and accurate.

Drilling Firm HandwrittenSigned by HandwrittenDate 5/5/83Mr. Dent

12-14-83

DO NOT WRITE IN THESE SPACES

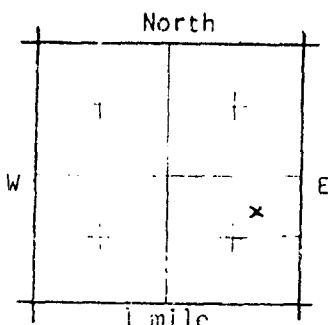
Dwellings 3

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

Location NE 1/4 Sec 29 Twp 25 Rg 7 E

County Pennington
Custer

Please mark well location with an "X"



Well Completion Date Aug. 5, 1983

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Forward Rotary

WELL CONSTRUCTION:

Diameter of hole 6 inches Depth 75 feet

Casing: ☐ Steel ☒ Plastic ☐ Other
Specify _____

Pipe Weight Diameter From To
_____ lb/ft _____ inches _____ feet _____ feet
_____ lb/ft _____ inches _____ feet _____ feet

Was a well screen used? ☐ Yes ☒ No

If Not Specify _____

Screen Type _____ Slot Size _____

Length _____ Diameter _____

Was Casing left open end? ☐ Yes ☒ No

Was a Packer or seal used? ☒ Yes ☐ No

If so what material? _____

Was well gravel packed? ☐ Yes ☒ No

Was well grouted? ☒ Yes ☐ No

Describe grouting procedure _____

To what depth? 20 Feet

What was grouting material? Cement

If cement, how many sacks? 1

Location of packer(s) and screen or perforated pipe _____

WAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No

If so how and with what material? _____

Well Owner:

Name Black Hills Education Center

Address Hermosa, S.D.

Well Log:

Depth

Formation	From	To
<u>Top soil</u>	<u>0</u>	<u>6"</u>
<u>Limestone</u>	<u>6"</u>	<u>37</u>
<u>Sandstone</u>	<u>37</u>	<u>60</u>
<u>Limestone</u>	<u>60</u>	<u>75</u>

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut off? _____

WELL TEST DATA:

☐ Pumped

☐ Bailed Describe: _____

☐ Other _____

Pumping Level Below Land Surface _____

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

Remarks:

This well was drilled under license # 363

and this report is true and accurate.

Charles Howe
Drilling Firm

Charles Howe
Signed by

8/21/83
Date

Mr. Kent
12-14-83

Downen Drilling Company

1901-2
W. W. Th

Rt. 1

Hermosa, SD. 57744

Date

Well log for Willard Worth Well. (near house) Dwelling's #1

160' to 6 $\frac{1}{2}$ " Drilling

100' of 5" casing (Steel)

No Screen.

Water Level 60' from top

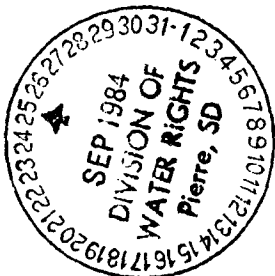
Test 30 GpM

Drilled 6/5/80

Water from the minnelusa sandstone

NE 1/4 of SE 1/4
of Sec 28
T2 R7

Warren B. Bowman



Well to submitted
10-11-12.

Well log for actual
~~well drilled but~~

AND MICROFILM WHICH MET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR FILMGRAVE MICROPHOTODUPLICATIONS.

17-00000-276-8

FULL NO. 17-8

17-276-845

MICROFILMED

1964 MAR 16 10 46 AM

ORIGINAL AVAILABLE

STATE OF SOUTH DAKOTA WELL DRILLERS REPORT

#1901-2

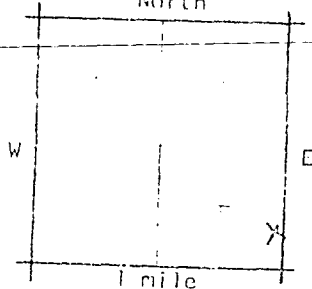
Location Sec 28 Twp 2 N Rg 7

County

Custer

North

Please mark well location with an "X"



Well Completion Date 3-27-85

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☒ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Cable Tool

WELL CONSTRUCTION:

Diameter of hole 7 inches Depth 70 feet

Casing: ☒ Steel ☐ Plastic ☐ Other
Specify _____

Pipe Weight Diameter From 0 To 68
24 lb/ft 7 inches 0 feet 68 feet
_____ lb/ft _____ inches _____ feet _____ feet

Was a well screen used? ☐ Yes ☒ No

If Not Specify per F. 44-57

Screen Type Home made Slot Size 1/2 x 1/2
Length _____ Diameter _____

Was Casing left open end? ☒ Yes ☐ No

Was a Packer or seal used? ☒ Yes ☐ No

If so what material? Rubber

Was well gravel packed? ☒ Yes ☐ No

Was well grouted? ☒ Yes ☐ No

Describe grouting procedure Termi

To what depth? 44 feet

What was grouting material? Cement-Jel

If cement, how many sacks? 11

Location of packer(s) and screen or perforated pipe Packer 44-57

per F. 44-57

WAS WELL PLUGGED OR ABANDONED ☐ Yes ☒ No
If so how and with what material?

Well Owner:

Name Cody Tachento

Address RT 1 Box 75 E Hermosa SD

Well Log:

Depth

Formation

From

To

0-6 Clay

0

6

8-16 gravel

8

16

Red Shale

16

44

Red Broken ss

44

57

Red & Orange clay

57

65

Orange Sandstone

65

70

STATIC WATER LEVEL 8 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut off? _____

WELL TEST DATA:

☒ Pumped

☐ Bailed

☐ Other

Describe: 60 gpm @ 46 FT
80 gpm @ 67 FT

Pumping Level below Land Surface

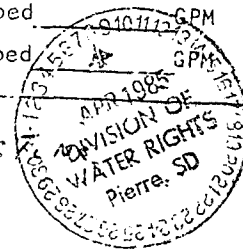
67 ft. After 4 Hrs. pumped 80 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

Remarks:

Loose Sand at Bottom



This well was drilled under license # 492
and this report is true and accurate.

Lewis Drilling
Drilling Firm

Signed by

4-3-85
Date

5-16-85

CAMERA OPERATOR

AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS FOR PERMANENT MICROPHOTOGRAPHIC REPRODUCTIONS.

REDUCTION 25:1

ROLL NO. 4-2

DATE MICROFILMED 11-27-85

Permits No. 1738-2 & 1968-2
Custer County

To: Chief Engineer, Water Rights Program, DENR Foss Bldg., Pierre, SD 57501
Other permit/license(s) associated with project: **Permit No.1901-2, Williard Werth**
Contact Person & Address: **Art Garner, Black Hills Health & Education Center**

Report Of Examination of Works

On **June 17, 2003** I revisited the **Black Hills Health & Education Center (BHHEC)** after their reorganization concerning the following water rights:

Permit No. 1738-2 - 0.85 cubic feet per second (cfs) of water from a **320-foot** deep well in the NW¼ SE¼ Section 28 T2S R7E for **irrigation use**.

Permit No. 1968-2 - 0.04 cfs of water from a **230-foot** deep well in the NW¼ SW¼ Section 28 T2S R7E for **institutional use**.

The BHHEC has sold or is in the process of selling two of the staff dwelling sites labeled Dwellings 2 and 3 on Attachment 1. The wells associated with these properties will now be in private ownership and used for domestic purposes.

The following wells from the Minnelusa Formation are presently in use at the institution as shown on Attachment 2, all T2S R7E:

- Wellness-Fitness Center (Permit No. 1968-2) – 215-foot deep, rated at 15 gpm (0.03 cfs) in the NW¼ SW¼ Section 28 (W103.2990 N43.8467), 93-feet East 2692-feet South of the NW Corner Section 28.
- Irrigation Well (Permit No. 1738-2) – 100-foot deep, rated at 120 gpm (0.27 cfs) in the SE¼ SW¼ Section 28 (W103.2920 N43.8413), 1950-feet East 640-feet North of the SW Corner Section 28.
- Institution Staff Dwelling (Duplex) – 77-foot deep, estimated rate of 0.03 cfs, in the SE¼ SW¼ Section 28 (W103.2937 N43.8423), 1434-feet East 940-feet North of the SW Corner Section 28.
- Main Lodge, Upper Lodge & New Building – 200-foot deep, estimated rate of 0.03 cfs, in the SE¼ SW¼ Section 28 (W103.2940 N43.8470), 1424-feet East 2641-feet South of the NW Corner Section 28.
- Institution Staff Dwelling – 75-foot deep, estimated rate of 0.03 cfs, in the NE¼ SE¼ Section 29 (W103.3030 N43.8458), 712-feet West 2250-feet North of the SE Corner Section 29.

None of these wells are good producers, especially the one used for irrigation rated at 0.27 cfs on the well log. The institution cannot pump this well at this rate and is in the process of decreasing the pump size presently in use on the well by two-thirds. This well probably will produce at a rate of 0.09 cfs. As during

the previous visit to BHHEC, no one presently on the staff is sure of the pump sizes installed in the wells or the actual producing rate per well.

In the future the BHHEC plans to re-work the old well by the Main Lodge for use in irrigating garden plots. BHHEC also plans to drill a new well for use at planned staff dwellings. The institution will submit new applications for these projects.

COMMENTS:

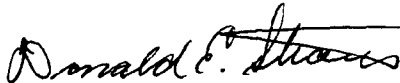
The 215-foot well at the Wellness-Fitness Center (No. 1968-2) should be licensed at the rate of 0.03 cfs for Institutional use.

The 100-foot well used for irrigation (No. 1738-2) should be licensed at the rate of 0.09 cfs and the use changed to Institutional.

The other three wells in use at the BHHEC need to be permitted for Institutional use. These wells are from the same source, the Minnelusa Formation, and can be combined on one application.

The planned well and the old well by the Main Lodge should be added to the inventory for BHHEC.

All of this could be accomplished by an amending application from BHHEC as all the wells are or will be from the same source, the Minnelusa Formation, and for the same purpose. A letter and amending application form has been sent to the Center.



Donald E. Stroup
Natural Resources Project Engineer
DENR Water Rights Program

1968-2

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Black Hills Health and Education Center

ADDRESS: COUNTY: Custer

DATE: July 15, 2003 TELEPHONE:

RE: Review of application

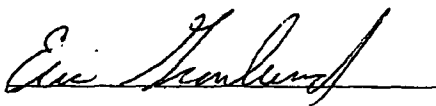
COMMENTS:

I reviewed the application submitted by Black Hills Health and Education Center and the file documentation of Don's visit to get their water right permitting issues resolved. The application proposes a total appropriation at the facility's wells of 0.33 cfs. However, there are currently two water permits from two of the wells on the property.

Permit No. 1738-2 in the name of Willard Werth appropriated 0.85 cfs to irrigate 60 acres. This well still exists and is used by the center for irrigation and institutional uses. The production of this well is approximately 0.09 cfs (40 gpm). I propose that the Center transfer ownership of this water permit to their name and it be licensed for 0.09 cfs for irrigation. This use of water under this permit can not be changed to institutional because of the constraints of SDCL 46-5-34.1.

Water Permit No. 1968-2 can be licensed for 0.04 cfs for one well and ultimately incorporated into the water license when the pending application is licensed (assuming it is approved).

The 0.09 cfs and 0.04 cfs held under these existing permits can be deducted off the 0.33 cfs requested in the pending application. This means the pending application proposes to appropriate 0.20 cfs (90 gpm) from the wells used at the facility. This application also includes a new well to be drilled.

NAME: 



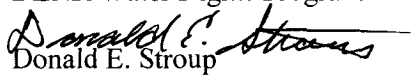
1968-2

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 6, 2004

TO: Garland Erbele, Chief Engineer
DENR Water Rights Program

FROM: 
Donald E. Stroup
Natural Resources Project Engineer
DENR Water Rights Program

SUBJECT: Licensing of Black Hills Health and Education Center Permit Nos. 1738-2 and 1968-2

Water Permit No. 2511-2 has been issued to the Black Hills Health and Education Center for four (4) existing and one (1) new well for Institutional use. Water Permit 2511-2 along with Permit Nos. 1738-2 and 1968-2 account for all the wells presently in use at the institution.

Permit No. 1738-2 can now be licensed at the rate of 0.09 cubic feet per second from a 100-foot well for irrigation of 60-acres in portions of the S½ of Section 28 T2S R7E.

Permit No. 1968-2 can now be licensed at the rate of 0.03 cubic feet per second from a 215-foot well for institutional use at the Wellness-Fitness Center.

Attachments:

Memo - Gronlund to No. 2511-2 file
Memo - Stroup to Nos. 1738-2 & 1968-2 files, June 2003 Examination of Works
Memo - Stroup to Nos. 1738-2 & 1968-2 files, June 2002 Examination of Works
Maps - Irrigated Acres & Well Location No. 1738-2. Wellness-Fitness Center Well Location
Copy - SD Water Permit No. 2511.-2



1968-2

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 9, 2004

1738-2

Black Hills Health and Education Center
Arthur Garner, Manager
PO Box 19
Hermosa SD 57744

Dear Mr. Garner:

On June 13, 2003 the investigation of the center's water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 1738-2 (irrigation well), was completed by Don Stroup, a staff engineer with our program. The final water right document, the water license, can now be issued. Permit No. 1968-2 (Wellness-Fitness Center well) will not be licensed at this time because ultimately it will be incorporated into Permit No. 2511-2 which was approved July 15, 2003. The license fee for No. 2511-2 has been submitted. All the wells for institutional use can be licensed as one.

State law requires that we charge a \$50.00 fee for the investigation and issuance of the water license. Upon receipt of the \$50.00 fee from you, we will complete processing your water license. The check or money order for the fee should be made payable to the "Water Rights Program".

Your licensed water right will be similar to a property right that can not be lost as long as the water use continues and you abide by the permit requirements.

If you have any questions regarding the water permit, investigation of your water use system or payment of the fee, please contact Genny McMath with our program at (605) 773-3352.

Sincerely,

Karen Schlaak
Karen Schlaak
Water Rights Program
(605) 773-3352



1968-2
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

2511-2

MAY 02 2016

Black Hills Health & Education Center
PO Box 19
Hermosa SD 57744

Dear Sir:

Enclosed is Water License No. 2511-2. This is the final water right document completing your process of obtaining a Water Right. Also, included with your license is a map prepared by the staff engineer who conducted the investigation.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

Note: The applicable portions of No. 1968-2 are incorporated into Water License No. 2511-2.

enclosures